Project Title	Funding	Institution
Elucidation of the developmental role of JAKMIP1, an autism-susceptibility gene	$30,418	University of California, Los Angeles
Genetic and developmental analyses of fragile X syndrome	$532,205	Vanderbilt University
Role of excitation and inhibition in Rett syndrome	$32,922	Baylor College of Medicine
Molecular basis of autism associated with human adenylosuccinate lyase gene defects	$30,000	University of Delaware
Face processing and brain function associated with autistic symptoms in fragile X	$73,500	University of Wisconsin - Madison
Chromatin alterations in Rett syndrome	$271,798	University of Massachusetts Medical School
Olfactory abnormalities in the modeling of Rett syndrome	$358,750	Johns Hopkins University
Visual system connectivity in a high-risk model of autism	$41,000	Children's Hospital Boston
Connectopathic analysis of autism	$78,150	Harvard University
Sex differences in early brain development: Brain development in Turner syndrome	$150,049	University of North Carolina at Chapel Hill
Investigation of postnatal drug intervention's potential in rescuing the symptoms of fragile X syndrome in adult mice	$30,000	Massachusetts Institute of Technology
Aberrant synaptic function caused by TSC mutation in autism	$173,726	Columbia University
TrkB agonist(s), a potential therapy for autism spectrum disorders	$269,500	University of California, Los Angeles
Probing a monogenic form of autism from molecules to behavior	$187,500	Stanford University
Gene silencing in fragile X syndrome	$312,908	National Institutes of Health (NIH)
The role of the autism-associated gene tuberous sclerosis complex 2 (TSC2) in presynaptic development	$54,000	University of California, San Diego
Neural circuit deficits in animal models of Rett syndrome	$0	Cold Spring Harbor Laboratory
White matter connections of the face processing network in children and adults	$41,176	Stanford University
Elucidating the roles of SHANK3 and FXR in the autism interactome	$403,492	Baylor College of Medicine
Role of neuroligins in long-term plasticity at excitatory and inhibitory synapses	$57,194	Albert Einstein College of Medicine of Yeshiva University
Neuroligin regulation of central GABAergic synapses	$78,000	Duke University
Synaptic analysis of neuroligin 1 function	$50,054	Stanford University
BDNF and the restoration of spine plasticity with autism spectrum disorders	$571,019	University of California, Irvine
Mouse models of the neuropathology of tuberous sclerosis complex	$258,344	University of Texas Health Science Center at Houston
The microRNA pathway in translational regulation of neuronal development	$417,813	J. David Gladstone Institutes
Cortical circuit changes and mechanisms in a mouse model of fragile X syndrome	$293,198	University of Texas Southwestern Medical Center
Cortical circuit changes and mechanisms in a mouse model of fragile X syndrome (supplement)	$47,848	University of Texas Southwestern Medical Center
Fundamental mechanisms of GPR56 activation and regulation	$135,625	Emory University
High content screens of neuronal development for autism research	$207,931	University of California, San Diego
A longitudinal MRI study of brain development in fragile X syndrome	$622,099	University of North Carolina at Chapel Hill

Project Title	Funding	Institution
Genetics and physiology of social anxiety in fragile X	$160,398	University of California, Davis
Cellular and molecular alterations in GABAergic inhibitor circuits by mutations in MeCP2	$441,032	Cold Spring Harbor Laboratory
Cell-based genomic analysis in mouse models of Rett syndrome	$498,790	Cold Spring Harbor Laboratory
Cell type-based genomics of developmental plasticity in cortical GABA interneurons	$252,000	Cold Spring Harbor Laboratory
Coordinated control of synapse development by autism-linked genes	$75,000	University of Texas Southwestern Medical Center
Developmental versus acute mechanisms mediating altered excitatory synaptic function in the fragile X syndrome mouse model	$0	University of Texas Southwestern Medical Center
An adult brain-specific mouse model of neuronal TSC inactivation	$60,000	Massachusetts General Hospital
Translation regulation in hippocampal LTP and LTD	$375,817	New York University
Regulation of 22q11 genes in embryonic and adult forebrain	$305,105	University of North Carolina at Chapel Hill
Autism iPSCs for studying function and dysfunction in human neural development	$317,520	Scripps Research Institute
An investigation of neuropsychological endophenotypes in autism and fragile X	$73,938	University of North Carolina at Chapel Hill
The functional link between DISC1 and neuroligins: Two genetic factors in the etiology of autism	$110,250	Children's Memorial Hospital, Chicago
Mouse models of human autism spectrum disorders: Gene targeting in specific brain regions	$100,000	University of Texas Southwestern Medical Center
Clinical correlations of contiguous gene syndromes	$21,923	Baylor College of Medicine
Augmentation of the cholinergic system in fragile X syndrome: A double-blind placebo-controlled randomized study of donepezil	$240,000	Stanford University
Proteomics in Drosophila to identify autism candidate substrates of UBE3A	$319,550	University of Tennessee Health Science Center
Proteomics in Drosophila to identify autism candidate substrates of UBE3A (supplement)	$10,000	University of Tennessee Health Science Center
Identification of UBE3A substrates using proteomic profiling in Drosophila	$0	University of Tennessee Health Science Center